

Copyright, 1808, W. R. Hearst.) ITHIN a few months there will be mounted on Fisher's Island, at the north entrance of Long Island Sound, the

This weapon of war is the outgrowth of effective in coast defence. It will be a cerful guardian of New York Harbor, gun like it has ever been mounted on Atlantic senbeard. By the middle of Spring it will be ready to throw

iming this weapon up in a few words, after feet in length, throws a five-hunand charge of high explosive, is inches in diameter and with a l-pound charge can wreck and with one shot the finest battle ship n any navy in the world. It has the projectile takes flight and whirls away. ing espacity of eight aimed shots every minutes and will withstand the shock the disharging 'ever is nulled, the 4,000 rounds. Its danger zone, or de- the discharging lever is pulled, the large ettive radius, covers three hundred feet valve at the breech opens automatically on all sides of a common centre, or six and remains open a sufficient length of bundred feet in diameter. It is being time to allow a certain fixed quantity of wellt by the Dixon Manufacturing Com- air to escape into the barrel, when the many, of Scrauton, Pa.

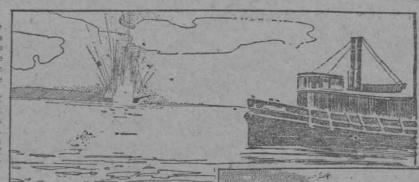
It is operated on the pneumatic system, the muzzle, cutting off the escape of air, which is a new departure in modern warfare, combining accuracy and safety in throwing heavy charges of dynamite, nitrogelatine and guncotton in such a manner of a single gunner, and the range can be controlled with the projectile. nother armor nor nets are a protection of the gun, simply by turning the graduat

dany attempts have been made to fire ing wheel. This enables him to discharge small charges of dynamite and guacotton projectiles at short range and still mainin powder guns, but frequent explosions tain a high firing angle with all its adhave occurred and disaster has followed vantages. The atmospheric pressure can
in consequence. During ten years of (x. be so controlled that exactly the same its in sprowing from fifty to five propelling power can be given each prohundred neural charges of high explosives jectlie, which insures remarkable accuracy not a single accident has occurred where as soon as the range is found.

compressed air was used to propel the projectile.

Two types of projectiles are used in this tremendous gun. One is termed a "fuil calibre." and fits the gun closely, the use in our navy and for coast defence, the new weapon is smooth bore its entire ally smaller than the barrel, being held in least the restation of the projectile being place by means of shows and represent. ength, the rotation of the projectile being place by means of shoes and runners fifteen given by means of spiral vanes attached inches in diameter. This enables the gun-to its rear. These vanes somewhat re-ner to use all sizes of projectiles and ac-semble the screw propeller of a ship, dif-commodate the gun to any size ammunition. semble the screw propeller of a ship, dif-fering only in the number and pitch of. The full calibre projectile is about twelve the blades. The barrel is made in three sections, finuged, belief together and sup-pounds of high explosive. The point is norted upon a steel truss. The marvellous made of bronze, and the base tapers off to simplicity of the gun makes it easy to allow the displaced air to close in in a made of bronze, and the base tapers off to simplicity of the gun makes it easy to allow the displaced air to close in in a mandle and the total absence of flowder smooth curve in the wake of the projectile. The exploding charge is divided into two mongers cleaners and gun handlers.

yers cleaners and gun handlers, The breech block is much lighter than interior of the projectile about its middle. these in use in powder guns, and but two. This is done so that when the charge sets motions are required to open it. The pro-back at the instant of discharge, it causes jectile, londed to suit the conditions, is less shock to the explosive and lessens the wheeled up to the breech on a circular danger of its exploding. The shell weighs wheeled up to the oreech on a circular danger of its exploding. The shell weighs track which surrounds the run, and slipped CSS pounds, and the charge 500, and has a in by electricity. Two more motions close range of 2,700 yards when fired at an elethe breach block, and the simple pressure vation of 35 degrees. With 200 pounds of of a lever opens a valve, releases 250,000 nitro-gelatine it has a range of 4,000 yards pounds of compressed air, and with a and with 100 pounds of nitro-gelatine it sound similar to that made by a cork will cover 6,000 yards.



THE THIRD SHOT.

This gun is constructed with a view to

(From the Official Drawings of the United States Government.)

### COMPARATIVE SIZE OF A MAN AND THE DYNAMITE PROJECTILE THIS NEW GIANT DYNAMITE GUN, WITH A FIFTEEN INCH BORE, WILL BE MOUNTED ON FISHER'S ISLAND, AND WILL COMMAND THE ENTRANCE TO NEW YORK HARBOR-RANGE 6,000 YARDS.

power of nitro-ge atine fired from a pneu- fixed at a range of 1,864 yards from the neath the vessel and shattered her to

or near a battleship will totally destroy it, matte gun was made some years ago in New gun. She was anchored bow on, so as to A 500 pound charge exploding among a York harbor. An eight-inch gun was used, make the target as small as possible, squadron would batter and seriously disand charges of fifty-five pounds were the first shot missed, the second knocked thrown. The first practical test of the destructive schooner "Silliman," ninety feet in length, deck, the third exploded directly under-

> The Illustrations accompanying th's text show what was left of her for future practice. Subsequently various charges were fired at bulkneads and other specially prepared targets, with the result that remarkable

accuracy and destructive power was revealed to the builders and naval men gen-

so'ld base, and no allowance is made for recoil, as it amounts to little when compared to powder guns of the same calibre. Yet the enormous pressure of the at-mosphere will be appreciated when it is understood that it has sufficient volume to start a railroad train, and if the same force were discharged on the side of the largest building in New York it would topple and full to pieces.

ships and do deadly work. A single 500-pound charge of nitro-gelatine would wreck ony fort in the world and destroy a whole ine of fortifications.

Some startling figures are given here to show the penetration of the shells and their wonderful accuracy. During one trial eight successive shots were thrown into a horizontal rectangle 5.4 yards wide by 7 pards long at a distance of 3,640 yards. All one of them would have destroyed her. An interesting experiment was made to show YARDS the penetration of eight-inch and ten-luch projectiles fired as sub-calibre. The range was fixed at 600 yards, and the ten-inch shell penetrated an earth butt to the depth of 45 feet, while the eight-inch went 47 doubled in speed and destruction, which

The dynamite guns now commanding the defence. position at Sandy Hook, which throw only The explosive used in these gans is the channel for a distance of about 9,000 yards manufactured by the Giant Powder Com-and the swash channel for a distance of pany, of San Francisco. Its composition is with these charges a vessel running the Eighty-seven per cent nitro-glycerine. channel at the rate of twenty mlles an Seven per cent gun-cotton. hour for a period of sixteen minutes, during which time each gun would discharge Two per cent carbonate of magnesia. ten projectnes and would be the name at the nitro-gelatine on impact with the water

HOW EIGHT SHOTS FROM THE of these shots would have struck in the THE SIZE OF THE FLAGSHIP "NEW flagship New York at that range, and any YORK" AT A DISTANCE OF 3,640

means considerable in the matter of coast

two hundred pound charges, cover the main most powerful known to gunmakers and is

same rate for a period of seven and a threw up a column 300 feet, which will just about reach the base of the tower in

the Syndicate Building on Park row. The explosion of 500 pounds of nitrogelatine threw up a volume of water 400 feet high, which is higher than any structure on Manhattan Island. Projectiles heavily charged were thrown against rock deposits along the coast and tons of earth and stone were shaken into the sea as though an earthquake had spent its power

against them. These pneumatic guns, mounted on ships, could work great bayoc in harbora. One hundred pounds of nitro-gentine exploded under water will destroy torpedo cases and blow up torpedoes existing anywhere within a radius of fifty feet. The ship, upon arriving off a harbor entrance known to be well mined and studded with explosives, could proceed to drop shells at a regular distance of 100 feet apart in longitudinal and interni directions, and clear a channel for herself 300 feet wide at the rate of a mile an hour, advancing into the passage as fast as she renders it safe to do sa, blasting herself to a position from which her shells could be thrown into the city or directly into the fortifications.

In time America's entire seaboard will be protected with these monster guardians. These pneumatic guns, mounted on ships,



AFTER THE SHOT.

# escaping from a huge champagne bottle. Any one of these projectiles dropping on Madame Pote's Advice to Women

See Photographic Supplement.

A LTHOUGH the American girl is near- on one foot and is essential in learning to Is an ideal young person, yet even walk gracefully."
these who love her best must admit "Here is the correct walk, of which femthat she does not stand correctly, nor walk inine America is much in need: Let the

rectly and gracefully.

mns of a diaphragm across the

the weight be borne equally on the balls of chest and bust, and should be practised stitute my meals and my remedies-

tion as standing in oneness. In her instruct over the bust every morning. It will bring tions she follows it by directions for stand- the blood to the surface and consequently case, and besides I love the melons like a Southern darky." ing in unity, which means standing cor- nourish the tissue, thereby developing the

"To stand in unity, place the weight en- Here is what Madam Pote has to say to

On "How to Be Beautiful." What One Shot from the Big Dynamite Gun D.d to the Schooner Silliman in New York Harbor.

### Watermelons His Daily Diet.

with dignified grace. Chest lead in walking. Carry the chest
She may be as stylish as a fashion plate and foot forward simultaneously, point foot and as beautiful as a wood nymph, but downward at each step and poise body when it comes to correct posture and grace completely on the ball of the foot. The of motion, here surely there is need of im
be ground at the same time, but the sail of the foot must touch the ground at the same time, but the sail of the

of motion, here surely there is need of im-need and the same time, but the provement.

Middam Pote, the health culture authority, weight of the body must be borne comin her studio at Carnegle Hall is just now pletely over the ball of the foot, so that I fell in a faint to the ground, and was unconscious for several hours. I was continuous formula and thoughtiessly I went out in the heat again. The temteaching a class of young women how to a line from the chest would drop parallel stand and walk correctly. Here is what with the instep. With each step, as the she tells her pupils:

To stand correctly, the military polse is that the knee is kept straight. Walk from the line is kept straight.

the first position to be attained. Stand the hips. Also, as the foot is put forward, set in and I became totally helpless. In two months my right side was entirely par-"For a week I hovered between life and death. Then I got better, but a relapse erect. put heels together, with toes at an raise the muscles of the instep, angle of fifteen degrees. Have knees to "By so doing, the muscles will be alyzed, and it was believed I would surely die. The paralysis extended to both feet, on a line with the shoulders, spine curved of the instep be increased."

Set in and I became totally helpless. In two menths my right side was entirely paralyzed, and it was believed I would surely die. The paralysis extended to both feet, and I believe it was my prayers and those of my dear mother that saved me from death, on a line with the shoulders, spine curved of the instep be increased."

The doctors ordered me to discontinue eating meat and vegetables. Gradually I became uttark without and appetitive and would share feed.

The doctors ordered me to discontinue eating meat and vegetables. Gradually I became outward slightly at the waist like, shoulders On page seven, of the photographic supports of soil, and do it almo I while you wait hereafter will not be able to marry his ment for the cure of alcoholism. Dr. Rybstale, head thrown backward, chin drawn posed specially for the Journal under the big, head thrown backward, chin drawn posed specially for the Journal under the slightly in and arms straight at sides, with direction of Madam Pote. These exercises again. Then I was permitted to suck the juices from tender meats, and was also fessional horse paints, who says that there privilege. The Chickasaw Legislature out still the musicions. But these ingredients, in addition to a little milk, constraint and vegetables. Gradually I became

Here's a man who can to discontinue eating meat and vegetables. Gradually I became

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Here's a man who can to discontinue eating meat and vegetables. The place of side of the discontinue eating meat and vegetables. The place of side in the treat
leasted with was decreasing at an alarming rate, and the physician seemed power
leasted with an appetite and word with a place of side of the discontinue eating meat and vegetables. The place of side of the discontinue can be described in the treat
leasted with the should represent the place of side of the place of the place of alcoholism. Dr. Rybs
leasted with eating with t

"I ate four watermelons a day for three months and stopped only when the senson ered the process, he describes as folthe feet. This polse is the fundamental po- fifty times, twice a day.

"I are four watermelons a day for three months and stopped only when the senson ered sition for correct standing. It is taught to "Cold water," says Madain Pote, "Is an. ended. Then I dropped weight and was fast turning to a skeleton, when it was de- lows: other excellent remedy for developing the dided to send me down to my uncle's plantation. It is some distance below the frost "I was treating a horse for a sore, and Usually the squaw man is a pretty poor ment shows lisely in the improvement of found the lotion had run into the hair and lot. He takes his Indian bride knowing the subjective symptoms, the disappearance

## A Prayer by Robert Louis Stevenson

To stand if direly, place the weight entirely on one foot, incline the torso slightly the woman who is burdened with abnortoward the free legs, and the head slightly mally large hips:

To an make a chestnut-colored horse in twenty-four hours, no matter what the strong leg, so that a line from the throat would fail parallel with the instep. Talls will give a graceful standing matching first required in getting the required makers have how need up a law to say to strong the first strong leg, so that a line from twenty-four hours, no matter what the ing prayer by the late Robert Louis Stevenson:

"It can make a chestnut-colored horse in twenty-four hours, no matter what the ing prayer by the late Robert Louis Stevenson:

"We beseech Thee, Lord, to behold us with favor, folk of many families and nations color of the animal brought to me. To legist the woman who is burdened with abnorBy repeating the sittings one may at ing prayer by the late Robert Louis Stevenson:

"We beseech Thee, Lord, to behold us with favor, folk of many families and nations color of the animal brought to me. To an indication the sittings one may at ing prayer by the late Robert Louis Stevenson:

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"We beseech Thee, Lord, to behold us with favor, folk of many families and nations color of the animal brought to me. To an make a chestinut-colored horse in the sitting one may at ing prayer by the late Robert Louis Stevenson:

"We beseech Thee is white the very make a burden for the following the sitting one may at ing prayer by the late Robert Louis Stevenson:

"In a little book, "Great Souls at Frayer," recently issued in London, is To learn to walk correctly Madam Pote the body, relaxed, in the opposite direction, suggests the following preliminary exercise: This movement stretches the muscles from they have made life a burden for the half, ence of Dr. Rybakow, is seldom obtained; breaks a step forward and slightly raise in the free foot behind. Have the help of the algest and by foot jurned inward and toes outward. Balling the end and the algose rissue reduced, and the halpse rissue reduced. The second exercise, with the hands and toes outward. Balling the end and the algose rissue reduced, and the halpse rissue reduced. The second exercise, with the hands then repeat the action with the opposite movement than the first for producing the foot. This exercise teaches perfect poise and control of the Council, Since then cure by hypnotism, according to the experible of the body, relaxed, in the opposite direction, the body, relaxed, in the opposite direction, they have made life a burden for the half, ence of Dr. Rybakow, is seldom obtained; breach on the apparent to the number of the council. Since then cure by hypnotism, according to the experible to the cure of proportionally frequent, they have made life a burden for the half, ence of Dr. Rybakow, is seldom obtained; breach on the apparent to the number of the day come when these numbers to us our extraordinary horse to us our extraordinary horse, increase to proportionally requent, and (if it may be) help us to do better. Bies to us our extraordinary horse to us our extraordinary horse to us our extraordinary horse, increase to hope the halp to us of the day come when these must be taken, break a step there is no the training to the horse, and the halp the horse to us our substances of conditionary the horse to us our extraordinary horse to us our substances of conditionary the ha

#### Man Makes Black Must Pay \$600 Horses White. for a Bride.

changing a horse's color. How he discov- to put a stop to the practice of white and subject themselves to the hypnotic in-

found the lotion had run into the hair and lot. He takes his Indian bride knowing the subjective symptoms, the disappearance "The medical properties of the watermelon have surely proved wonderful in my quickly changed its color. I started experitable bit of property of the depression, of the apathy, and, ments and have continued them ever since.

I frequently bought old crowbaits for \$5 or \$10 to experiment on their hides, and loafer and an idler. The Indian law- not only to overcome the desire for the finally succeeded in getting the required makers have now fixed up a law to tax habitual potion, but also to break off an

## Drunkenness Cured by Hypnotism.

fluence much more readily than many other patients. The favorable effect of the treat-